Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	06/01/2022 08:55 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	01/20/2022 09:34 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	32272	Expiration Date:	09/30/2022
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125162	0	1.73	125089	1.73
Blue	F	SSC	125000	123157	-2	3.29	123673	3.22
Blue	E	FITC	13602	13421	-2	2.45	375	13.58
Blue	D	PE	24891	24529	-2	1.98	581	10.22
Blue	B	PerCP-Cy5-5	33972	33136	-3	3.16	947	15.03
Blue	A	PE-Cy7	22865	22871	0	5.08	480	29.65
Red	C	APC	47198	46834	-1	2.57	1615	11.49
Red	A	APC-Cy7	26454	25599	-4	3.01	724	12.31
Violet	B	V450	6737	6560	-3	3.87	457	12.20
Violet	A	V500	29317	28339	-4	3.44	969	8.90

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	23990	3.15	562	27	N/A	N/A	Pass
Blue	F	SSC	55399	2.43	519	-2	N/A	N/A	Pass
Blue	E	FITC	57	55.60	487	3	0.0447	214	Pass
Blue	D	PE	113	37.53	489	3	0.4308	291	Pass
Blue	B	PerCP-Cy5-5	150	42.36	582	3	0.0198	103	Pass
Blue	A	PE-Cy7	80	79.43	626	5	0.0239	9	Pass
Red	C	APC	339	25.76	575	3	0.0279	171	Pass
Red	A	APC-Cy7	136	34.77	552	1	0.0063	1347	Pass
Violet	B	V450	78	47.27	445	-5	0.0425	1665	Pass
Violet	A	V500	115	35.23	464	-5	0.0231	1403	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.64 - 71.46	N/A	N/A	-32.15	-31.99	1.14
Blue	20.34	16.28 - 24.42	1.28	1.03 - 1.55	0.00	0.00	1.43
Red	16.52	13.90 - 20.86	N/A	N/A	30.20	30.46	1.20

Window Extension: 7.00
FSC Area Scaling Factor: 0.76

Threshold

Threshold (FSC): 11037

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments